Daily Diary Report by Bid Item

Contract No.: **04-0120F4**
Diary #: **748** **Const Calendar Day:** 206 **Date:** **27-Dec-2012** **Thursday**
Inspector Name: **Bruce, Matt** **Title:** **Transportation Engineer**
Inspection Type: Continuous
Shift Hours: 07:00 am 05:30 pm **Break:** 00:30 **Over Time:** 02:00
Federal ID:
Location:
Reviewer: **Schmitt, Alex** **Approved Date:** **Status:** Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature **7 AM** 50 - 60 **12 PM** 50 - 60 **4PM** 50 - 60
Precipitation 0.07" **Condition** Light rain in AM to mostly overcast and windy

Working Day ☐ If no, explain:

04-0120F4 **Bid Item: 067** **C-PWS-HDR.067** **Install Hand Rope**
AMERICAN BRIDGE/FLUOR, A JV

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor:	AMERICAN BRIDGE/FLUOR, A JV							
Operator	JNM	JOHN LANG	8.00	0.00	0.00	8.00		☐
Ironworker	JNM	JOSE ALFARO	8.00	2.00	0.00	10.00		☐
Ironworker	JNM	RENE ESQUIVEL	8.00	2.00	0.00	10.00		☐
Ironworker	APP	ETHAN KENT	8.00	2.00	0.00	10.00		☐
Ironworker	JNM	STANLEY DALIE	8.00	2.00	0.00	10.00		☐
Ironworker	APP	RYAN NASH	8.00	0.00	0.00	8.00		☐
Ironworker	APP	SERGIO GARCIA	8.00	0.00	0.00	8.00		☐
Ironworker	APP	MARIO MARQUEZ	8.00	0.00	0.00	8.00		☐
Ironworker	JNM	CARLOS BUSTAMANTE	8.00	0.00	0.00	8.00		☐
Ironworker	APP	JAVIER GARCIA	8.00	0.00	0.00	8.00		☐
Ironworker	JNM	RIGOVERTO GARCIA	8.00	0.00	0.00	8.00		☐
Ironworker	FOR	OBRA PAULK	8.00	0.00	0.00	8.00		☐

Diary:

Dispute

Work description. **067** C-PWS-HDR.067 ☐

- Ironworkers Ryan, Mario, Rigo, and Carlos of Obra's crew completed erecting the South Sidespan outboard electrical pullboxes (post support type) from cable band 32S progressing uphill to cable band 40S. On the North Mainspan Ryan, Javier, and Sergio installed electrical pullboxes of all different types starting from panel point 88N progressing uphill approximately to 64N. Continuous inspection of the electrical pullbox post support was not done since I had to cover the handrope/messenger cable tensioning on the South Mainspan. I informed Martin Chandrawinata and Sam Patel of the tapped hole bolted connection, where Loctite is applied either in the hole or on the bolt then the bolt is snug tight so that they could perform this inspection. The Grove RT890 crane was used to erect all of the electrical pullboxes on the North Mainspan where the highline spreader beam was used on the South Sidespan.

- Installation of the shoulder plates and bolts for the cable anchorage at panel point 104S were installed by ironworkers in Gary Thomas's crew of Ethan, Stanley, Jose, and Rene. The tapped holes had to be cleaned out prior to shanking out the bolt in the tapped hole. The ironworkers shanked out every bolt so that I could verify that the proper installation would be achieved prior to shoulder plate installation. After the lunch break the ironworkers spent most of the afternoon tensioning the South Mainspan handrope and outboard messenger cables via the turnbuckles. I observed the operation from panel point 102S as ABF

engineer Ankur Singh was also at this end with the tension gauge. As in previous handrope tensioning operations it took several iterations to balance the tension in the cables from both ends of the span. The following tensions were observed with the ABF gauge on the cables:

Handrope - Side	// Anchorage at EPP104 // Main	Anchorage	Average Tension	% of Design (45000kN)
Inboard	44100	44900	44500	98.9
Outboard	45600	45400	45500	101.1

Messenger - Side	// Anchorage at EPP104 // Main	Anchorage	Average Tension	% of Design (45000kN)
Outboard	38100	38000	38050	92.8

ABF engineer Ankur Singh directed the ironworkers to stop at 38,000kN instead of 41,000kN. I questioned him as to why he did this and explained that the tension reported by ironworkers Jose and Rene at the top of the tower balanced the load to equate to an overall tension load of 41,000kN. This needs to be checked in the final inspection of the messenger/handrope cable tensions.

Obra's crew only worked a 8hr shift where Gary's crew did 10hrs today.

Attachment

Reading on the tension gauge almost near the final tension reading on the outboard South Mainspan handrope cable.

ABF ironworkers tightening the South Mainspan outboard turnbuckle to achieve a tension of 45,000kN in the handrope cable.

ABF ironworkers installing electrical pullboxes (post type) on the North Mainspan with the assistance of the Grove crane.